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(54) **Diagnosing and treating chronic fatigue syndrome.**

(57) Chronic Fatigue Syndrome is diagnosed and distinguished from other conditions presenting a similar clinical appearance by assessing the 2'-5'A oligonucleotide levels in the patient's circulating peripheral leucocytes and comparing the result obtained to that of healthy individuals. Double-stranded RNAs, notably mismatched dsRNAs, when administered in appropriate amounts, increase the 2'-5'A in patients with Chronic Fatigue Syndrome to normal levels and improve the clinical symptoms.

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## EUROPEAN SEARCH REPORT

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EP 89 30 4188

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 5)
E	EP-A-0 306 347 (HEM RESEARCH, INC.) * Whole document *	1-8	A 61 K 31/70
E	EP-A-0 299 745 (HEM RESEARCH, INC.) * Column 5, lines 12-21 *	1-8	
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X	THE LANCET, 6th June 1987, pages 1286-1292; W.A. CARTER et al.: "Clinical, immunological, and virological effects of ampligen, a mismatched double-stranded RNA, in patients with aids of aids-related complex" * Whole document *	1-8	
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 12-07-1990	Examiner FOERSTER W.K.
<b>CATEGORY OF CITED DOCUMENTS</b> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			



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Y	EUROPEAN J. BIOCH., vol. 143, 1984, pages 165-174; P.J. CLAVEY et al.: "Activation of the ppp(A2'p)nA system in interferon-treated, herpes simplex virus-infected cells and evidence for novel inhibitors of the ppp(a2'p)nA-dependent RNase" * Whole article *	1-8	
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